

**Amendments to the Claims**

Please amend Claims 1-2, 5, and 7-11. Please add new Claim 12. The Claim Listing below will replace all prior versions of the claims in the application:

**Claim Listing**

1. (Currently Amended) A method for mapping business and engineering processes, comprising the steps of:
  - giving users access to a system for generating an emergent model;
  - publishing inputs and/or outputs of ~~models~~ data objects and/or function objects generated by the users;
  - subscribing to the published inputs and/or outputs of ~~models~~ data objects and/or function objects generated by the users, thereby creating a network of linked inputs and/or outputs of data objects and/or function objects;
  - analyzing and displaying the network of linked inputs and/or outputs, resulting in a map of the business and engineering processes; **and**
  - wherein the function objects are implemented by computer code that is run on distributed systems in a non-centrally controlled manner; and
  - wherein the ~~models~~ data objects and/or function objects generated are used in business and engineering processes.
2. (Currently Amended) The method of Claim 1 wherein at least a part of the configuration of the network[[s]] of linked inputs and/or outputs of data objects and/or function objects is predefined and used to determine which data objects and/or function objects are generated on which of the computing devices in the computer network.
3. (Original) The method of Claim 1 wherein a user interface is defined that displays the data objects and/or function objects on a computing device on the

computer network using a client process that communicates with a server process wherein the data objects and/or function objects can be viewed on any computing device connected to the computer network.

4. (Original) The method of Claim 1 wherein the data objects and/or function objects are stored in logical groups.
5. (Currently Amended) The method of Claim 1 wherein ~~the~~ references to the data objects and/or function objects are published using electronic media, print media or human conversation.
6. (Original) The method of Claim 1 wherein the step of generating the data objects and/or function objects provides an interface mapping for data objects and/or function objects stored in application programs, databases or computer code libraries.
7. (Currently Amended). The method of Claim 1 wherein the function objects are implemented by computer code that is ~~compiled~~ compiled in a non-centrally controlled manner, dynamically linked and evaluated at runtime.
8. (Currently Amended). The method of Claim 1 wherein the function objects are implemented by computer code that is interpreted in a non-centrally controlled manner and evaluated at runtime.
9. (Currently Amended) The method of Claim 1 further comprising the step of ~~wherein the sending or receiving of messages can be enabled or disabled based on predefined criteria~~ between the linked inputs and/or outputs of data objects and/or function objects.

10. (Currently Amended) The method of Claim [[9]] 12 wherein the predefined criteria is based upon message source, message destination or message contents.
11. (Currently Amended) The method of Claim 1 ~~further~~ further comprising:  
identifying a user of the emergent model and assigning appropriate read, write, execute and administrative permissions to the user on a per data objects and/or function objects basis, the permissions being used to limit access to a specific subset of the data objects and/or function objects.
12. (New) The method of Claim 9 wherein the sending or receiving messages can be enabled or disabled based on predefined criteria.